0006E0 "42062560

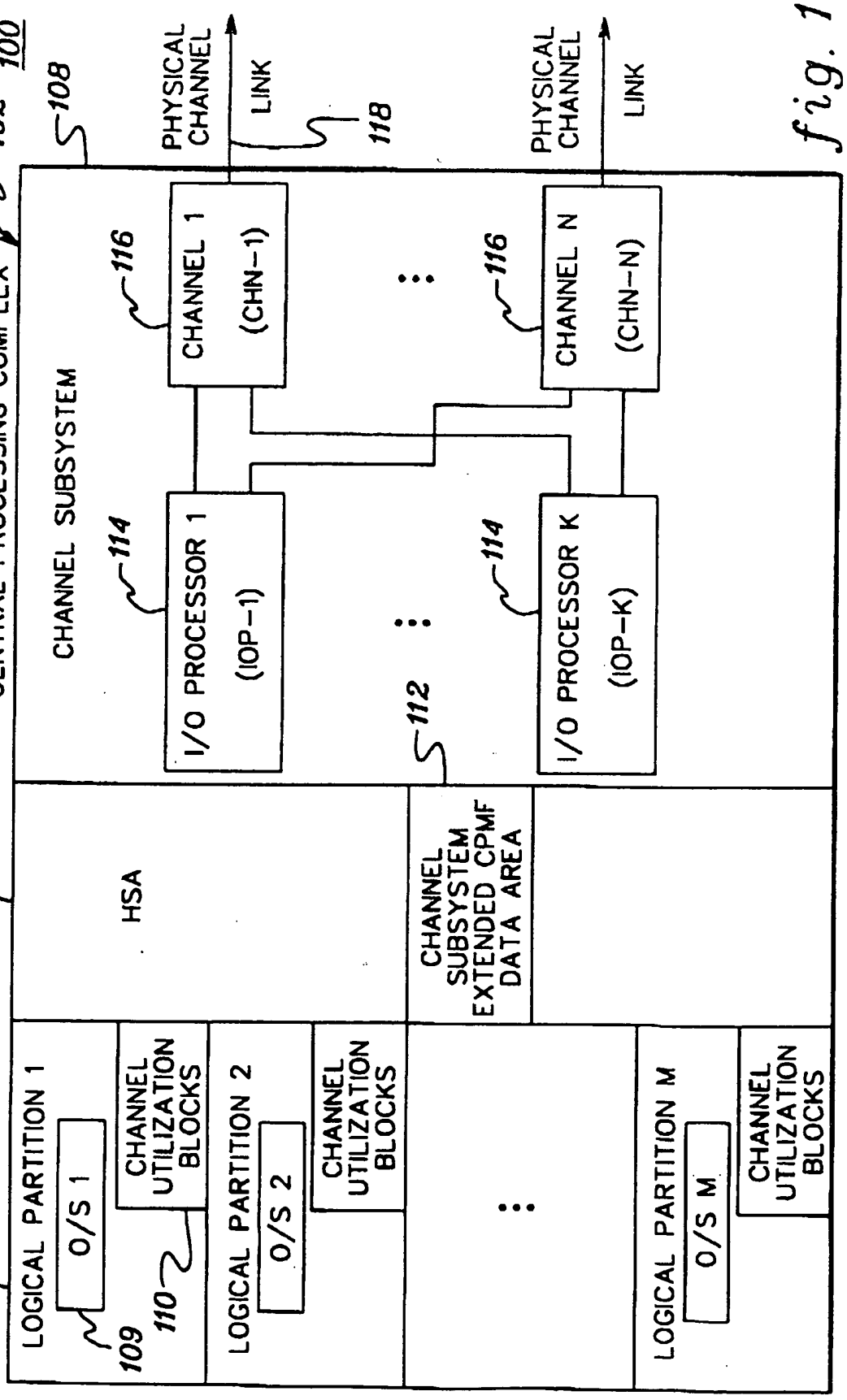

fig. 1

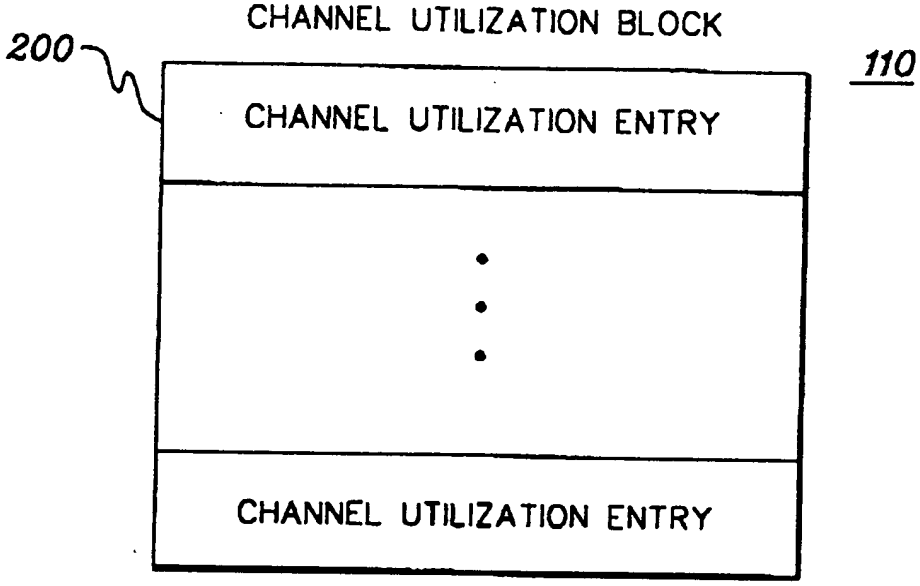

fig. 2A

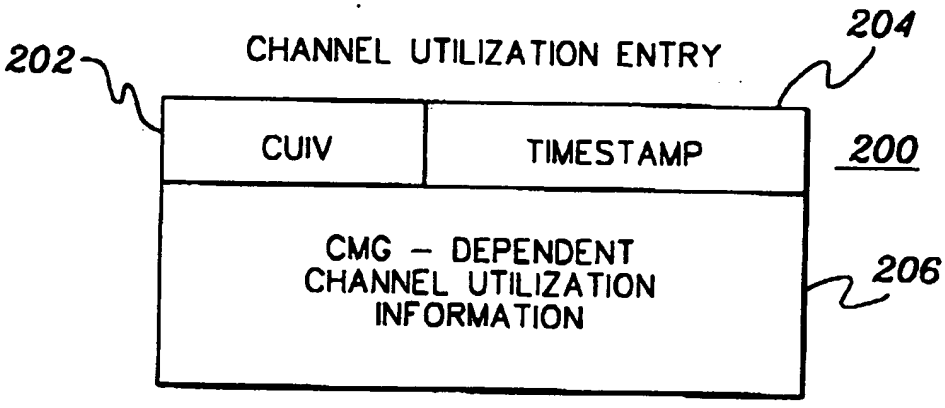

fig. 2B

Docket: POU9-1999-0176-US1

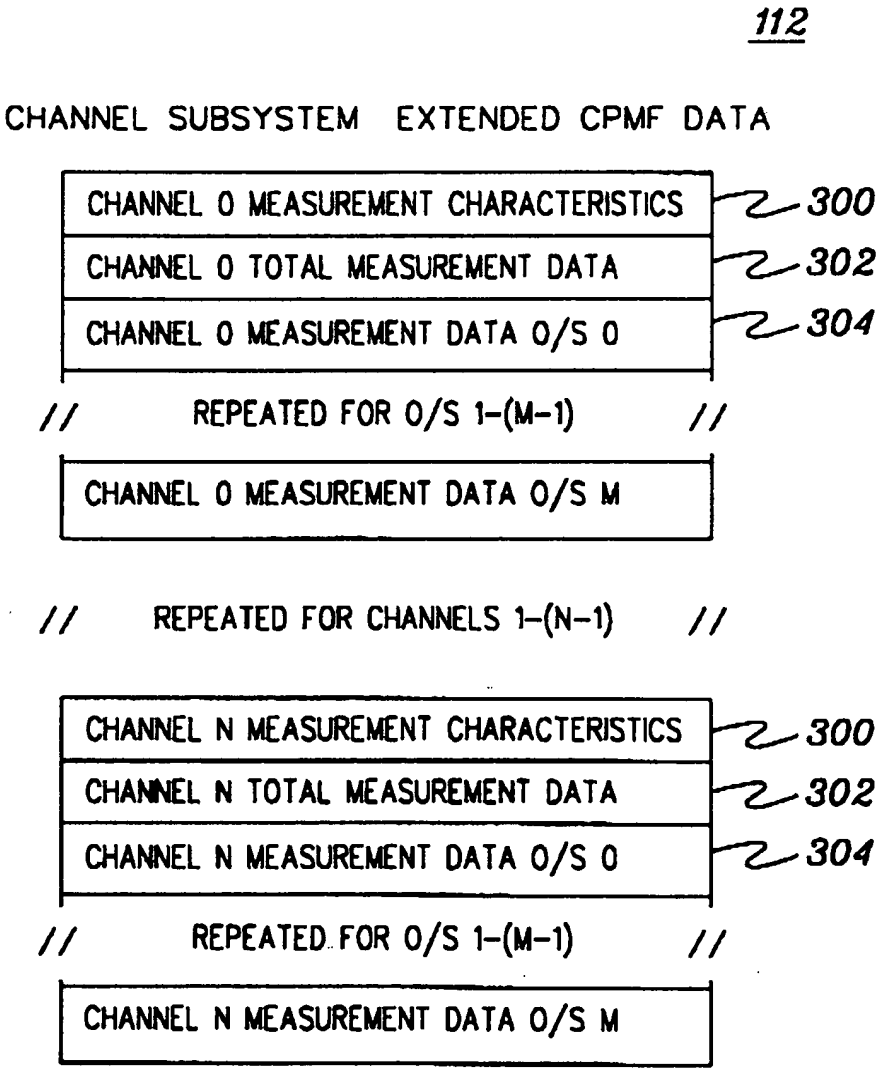

fig. 3

09503502 : 090300

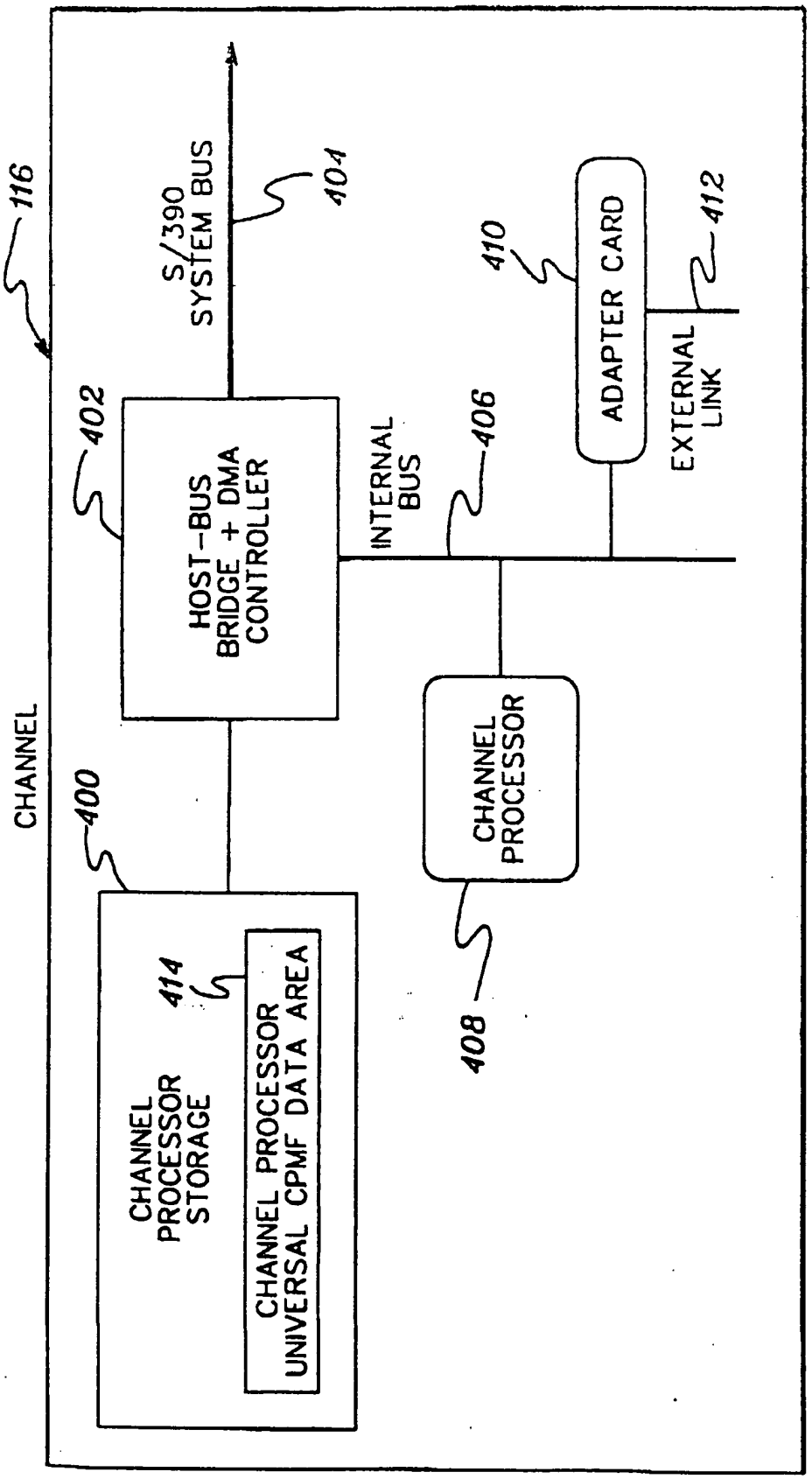
116
CHANNEL
S/390
SYSTEM BUS
401
402
HOST-BUS
BRIDGE + DMA
CONTROLLER
INTERNAL
BUS
406
410
ADAPTER CARD
412
EXTERNAL
LINK
400
CHANNEL
PROCESSOR
STORAGE
414
CHANNEL PROCESSOR
UNIVERSAL CPMF DATA AREA
CHANNEL
PROCESSOR
408

fig. 4

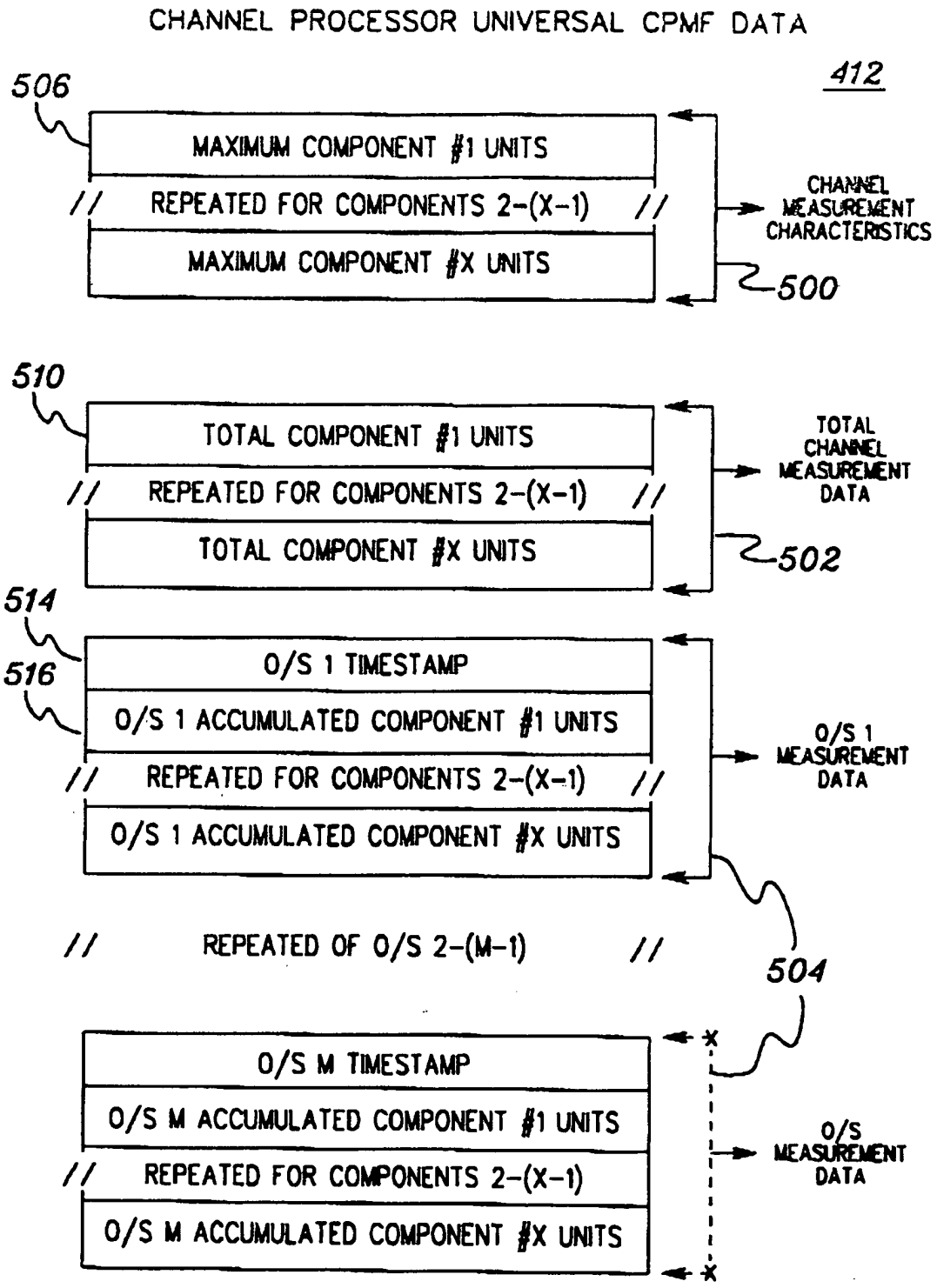
CHANNEL PROCESSOR UNIVERSAL CPMF DATA
412
506
MAXIMUM COMPONENT #1 UNITS
// REPEATED FOR COMPONENTS 2-(X-1) //
MAXIMUM COMPONENT #X UNITS
CHANNEL MEASUREMENT CHARACTERISTICS
500
510
TOTAL COMPONENT #1 UNITS
// REPEATED FOR COMPONENTS 2-(X-1) //
TOTAL COMPONENT #X UNITS
TOTAL CHANNEL MEASUREMENT DATA
502
514
516
O/S 1 TIMESTAMP
O/S 1 ACCUMULATED COMPONENT #1 UNITS
// REPEATED FOR COMPONENTS 2-(X-1) //
O/S 1 ACCUMULATED COMPONENT #X UNITS
O/S 1 MEASUREMENT DATA
// REPEATED OF O/S 2-(M-1) //
504
O/S M TIMESTAMP
O/S M ACCUMULATED COMPONENT #1 UNITS
// REPEATED FOR COMPONENTS 2-(X-1)
O/S M ACCUMULATED COMPONENT #X UNITS
O/S MEASUREMENT DATA

fig. 5

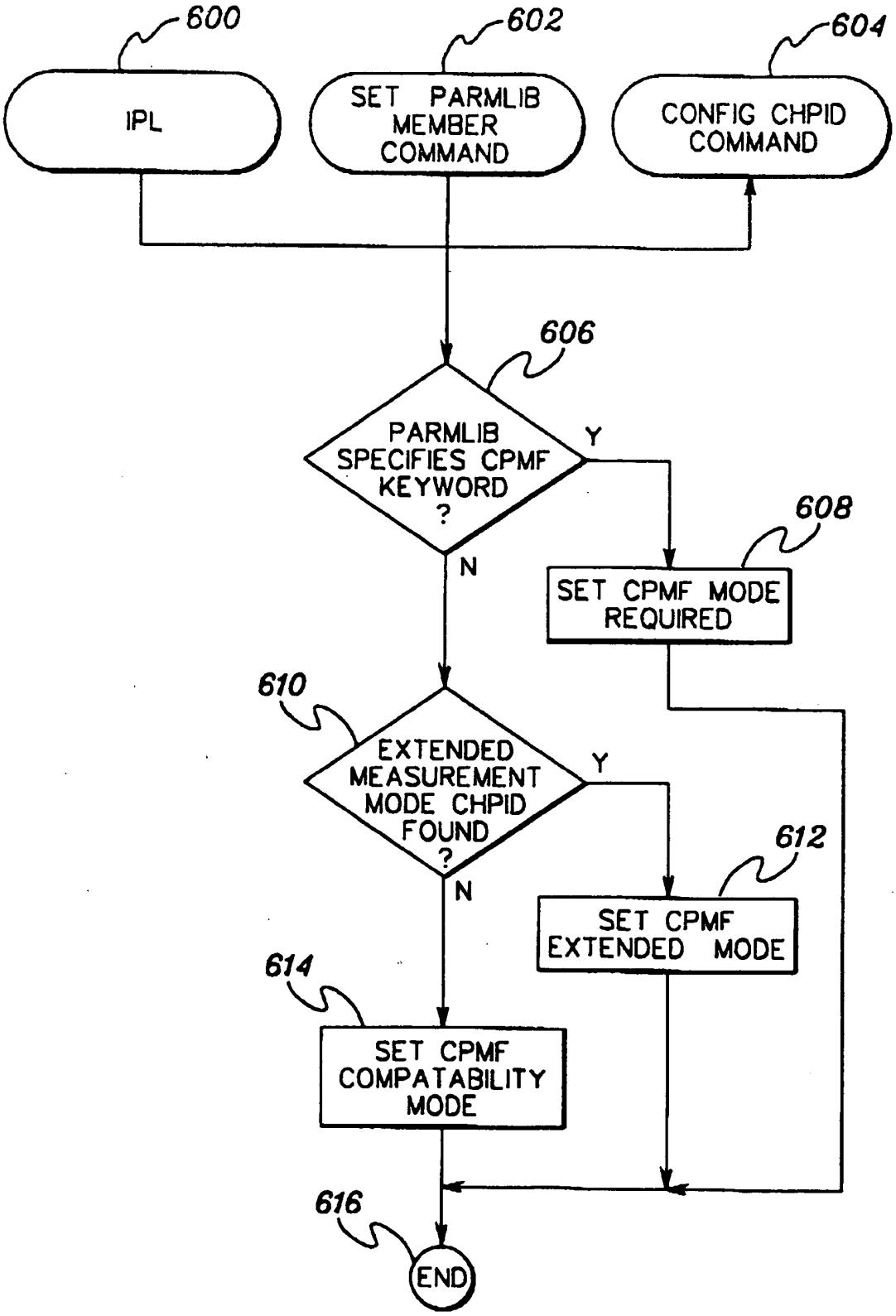
600
602
604
IPL
SET PARMLIB MEMBER COMMAND
CONFIG CHPID COMMAND
606
PARMLIB SPECIFIES CPMF KEYWORD ?
Y
N
608
SET CPMF MODE REQUIRED
610
EXTENDED MEASUREMENT MODE CHPID FOUND ?
Y
N
612
SET CPMF EXTENDED MODE
614
SET CPMF COMPATABILITY MODE
616
END

fig. 6

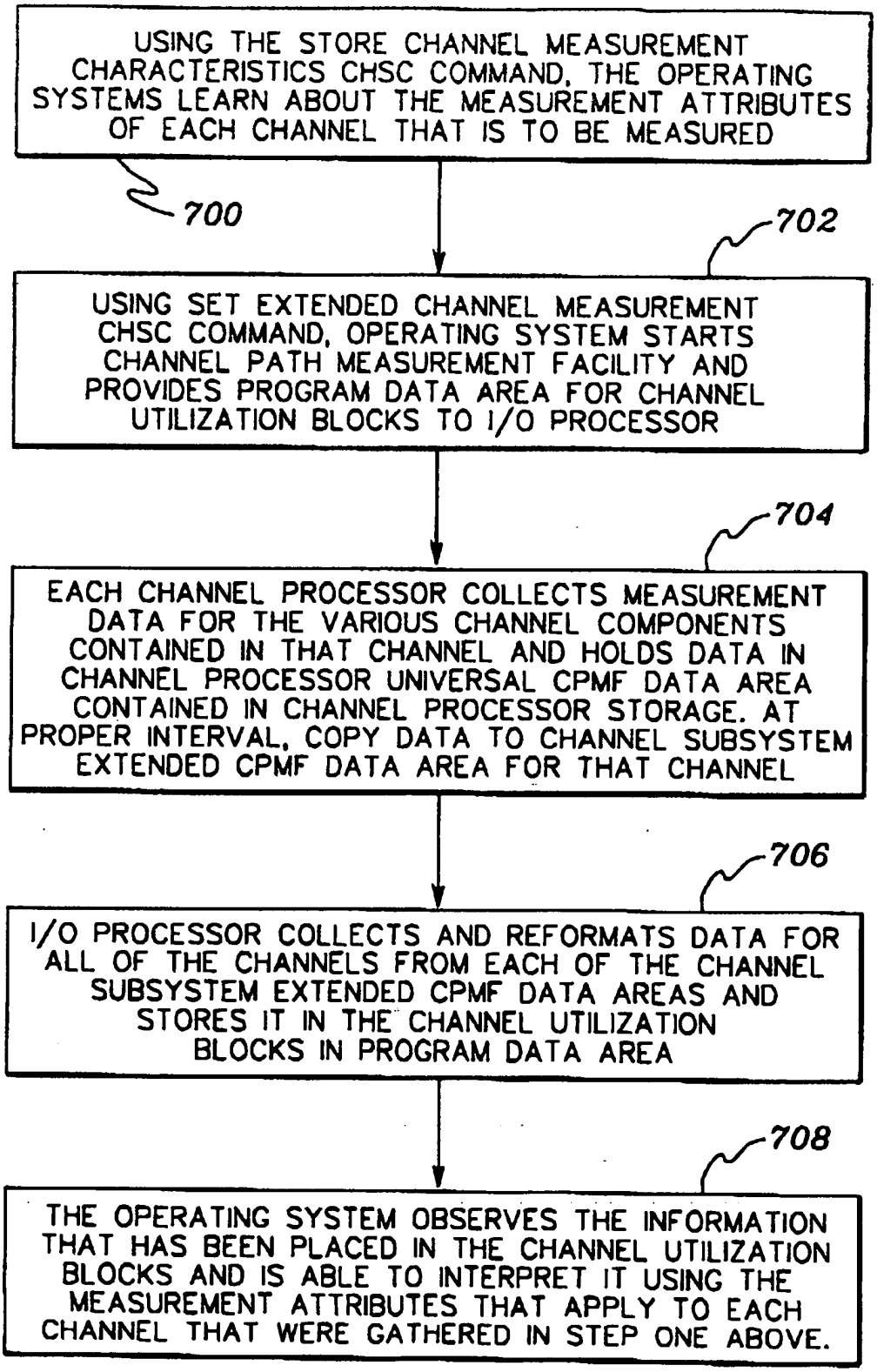

fig. 7

Doc Number: 0003004

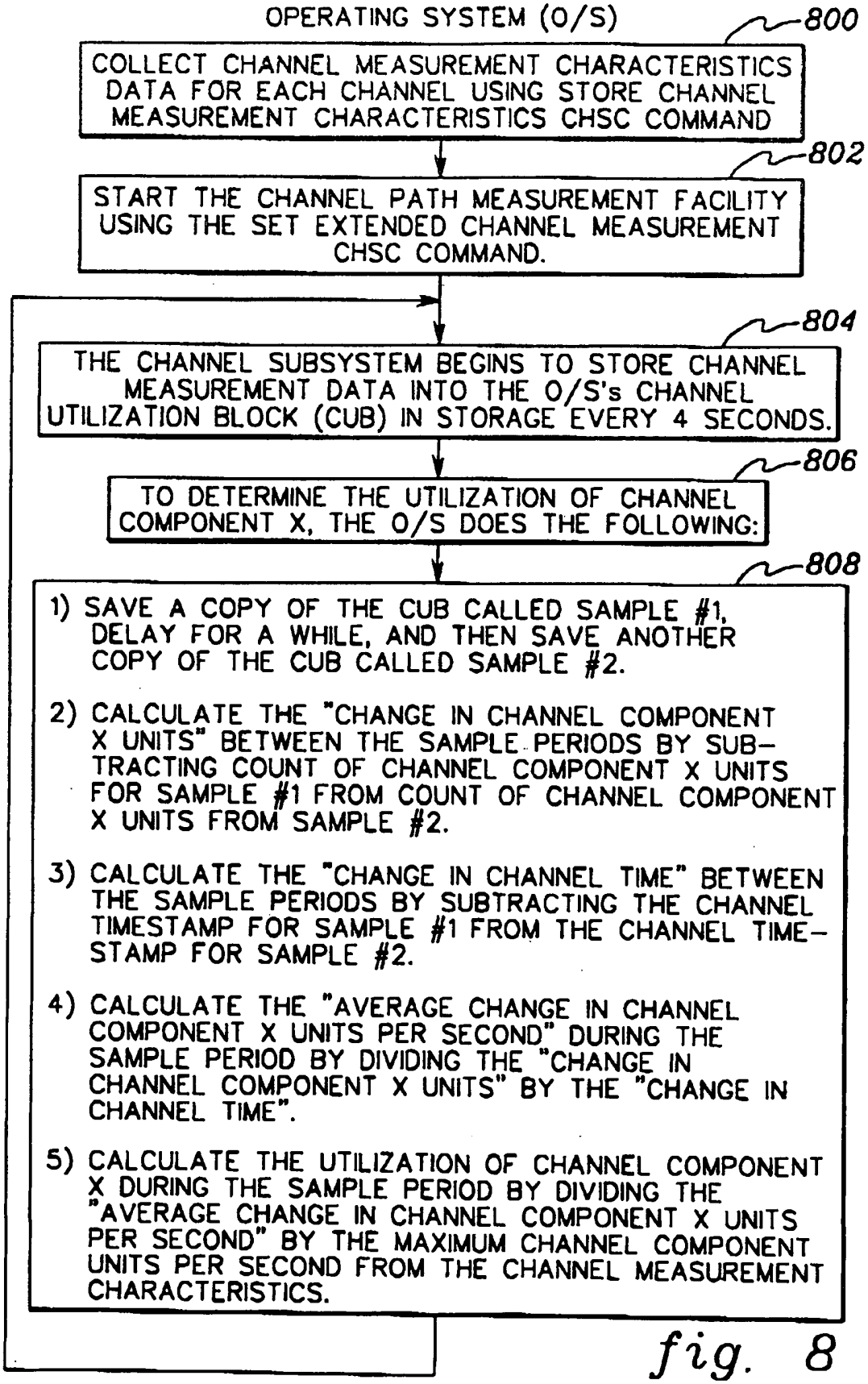

fig. 8

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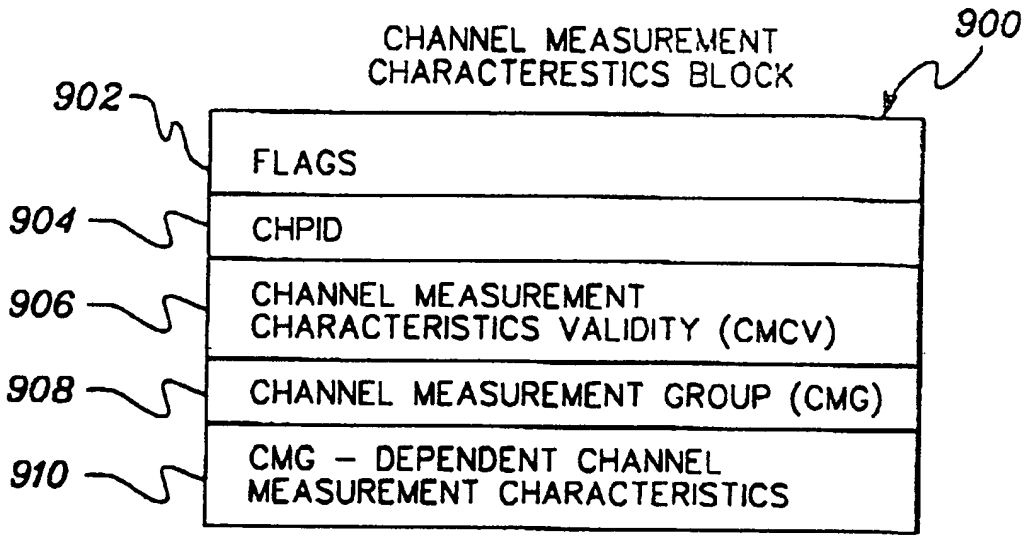

fig. 9A

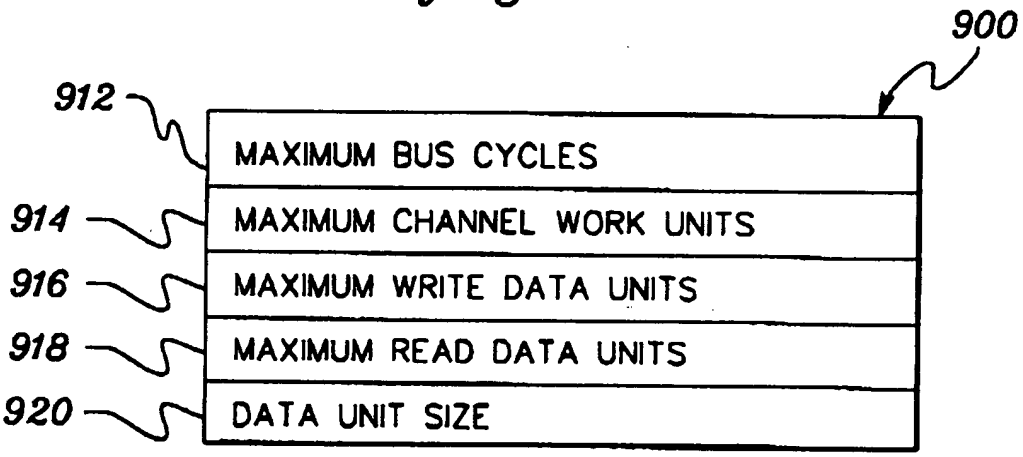

fig. 9B

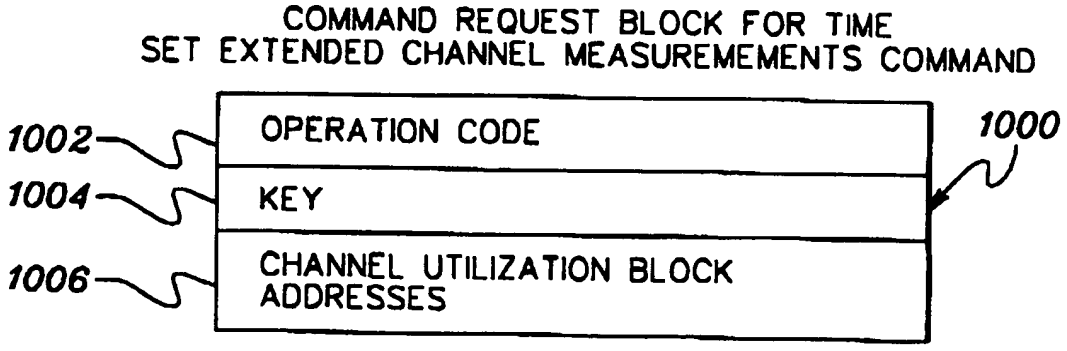

fig. 10

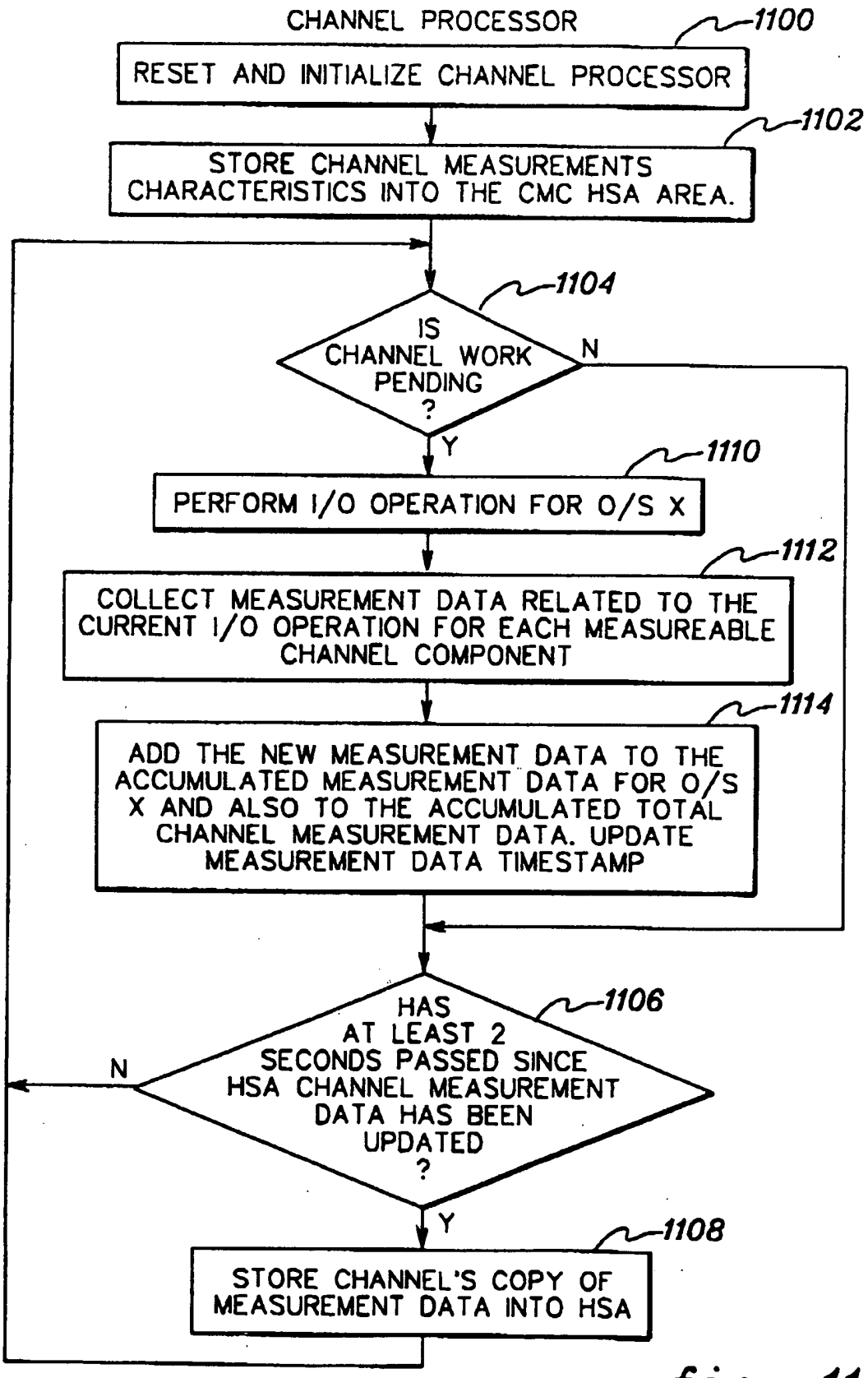
CHANNEL PROCESSOR
1100
RESET AND INITIALIZE CHANNEL PROCESSOR
1102
STORE CHANNEL MEASUREMENTS CHARACTERISTICS INTO THE CMC HSA AREA.
1104
IS CHANNEL WORK PENDING ?
N
Y
1110
PERFORM I/O OPERATION FOR O/S X
1112
COLLECT MEASUREMENT DATA RELATED TO THE CURRENT I/O OPERATION FOR EACH MEASUREABLE CHANNEL COMPONENT
1114
ADD THE NEW MEASUREMENT DATA TO THE ACCUMULATED MEASUREMENT DATA FOR O/S X AND ALSO TO THE ACCUMULATED TOTAL CHANNEL MEASUREMENT DATA. UPDATE MEASUREMENT DATA TIMESTAMP
1106
HAS AT LEAST 2 SECONDS PASSED SINCE HSA CHANNEL MEASUREMENT DATA HAS BEEN UPDATED ?
N
Y
1108
STORE CHANNEL'S COPY OF MEASUREMENT DATA INTO HSA

fig. 11

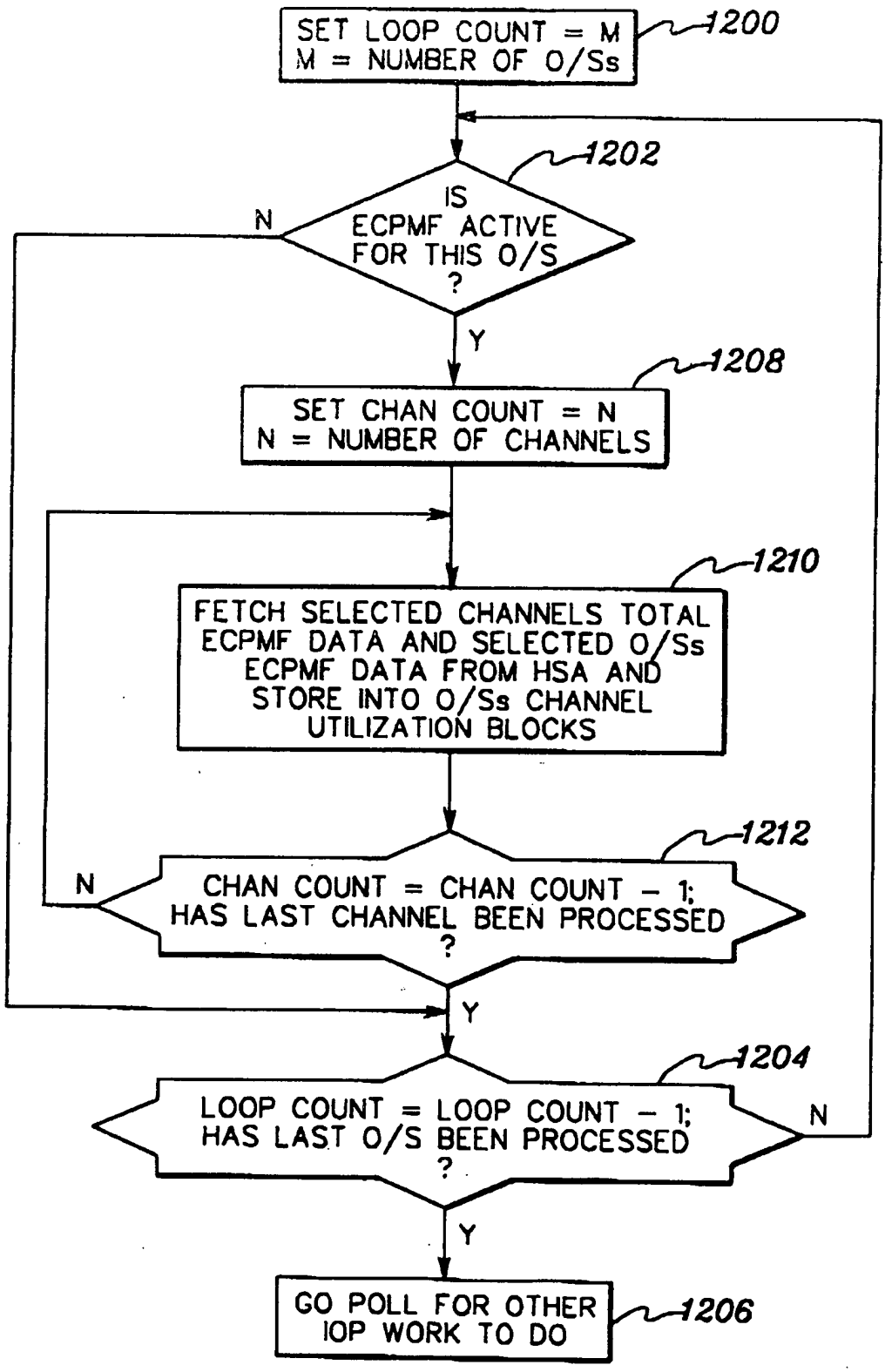

fig. 12

09/824,024 - 06/30/2004